

## EXPRESS MAIL MAILING LABEL NO. EV260609871US

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b>  <b>PATENT APPLICATION</b>  <input checked="" type="checkbox"/> Declaration <input type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	VXM-001B
	First Named Inventor	Vitaliano
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	Not yet assigned
	Filing Date	Herewith
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Quantum Information Processing Elements and Quantum Information  
Processing Platforms Using Such Elements**

(Title of the Invention)

the specification of which

☒ is attached hereto  
OR☐ was filed on  
(MM/DD/YYYY)

as United States Application Serial Number or PCT International

Application Number

and was amended on  
(MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
			<input type="checkbox"/>	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application serial numbers are listed on a supplemental priority data sheet attached hereto.

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Gvitaliano

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Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. Not yet assigned

Atty. Docket No. VXM-001B

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## Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. Not yet assigned

Atty. Docket No. VXM-001B

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**DECLARATION – Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer  → Place Customer  
Number Bar Code  
Label Here

OR

☒ Registered practitioner(s) name/registration number listed below

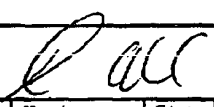
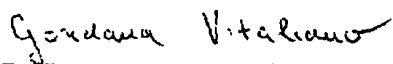
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Declaration and Power of Attorney for Utility or Design Patent Application  
 Serial No. Not yet assigned  
 Atty. Docket No. VXM-001B  
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
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Franco						Vitaliano				
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<input type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) attached hereto.										
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Gordana						Vitaliano				
Inventor's Signature							Date		09/10/03	
Residence	City	Boston	State	MA	Country	US	Citizenship	US		
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor								
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Inventor's Signature							Date			
Residence	City		State		Country		Citizenship			
Mailing Address										
Mailing Address (In. 2)	City		State		ZIP		Country			